(8)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Emergency works likes JCB, Tractor, Labour, Debris clearance, Should drains, Cluverts and others works in Ward No. 05 Sourrounding area Byataravanapura Sub Division

		Estimate Cost Rs.							2000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	1031 - Hire Charges of J.C.B Excavator including Operator and Fuel (P. XXXXIV / I. 23) PWD SR 2016-17	Day							
			30				30		
							30	6720.00	**201600.00**
2	1023 - Hire Charges of Tractor 40 HP including Operator and Fuel (P. XXXXIV/I. 19) PWD SR 2016-17	Day							
	1 Tractor X 6 Months X 25 Days per month		1X6X25				**150**		
							150	1520.00	**228000.00**
3	Engaging Causal Labours (mazdoor Heavy) (PWD SR 2016-17 Page No. LIV /I.5)	Nos							
	10 Labour. X 6 Months X 25 Days per month		10X3X25				**1500**		
							1500	259.88	**389820.00**
4	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	Cum							
			10	6.20	2.10	1.20	156.24		
	Culverts						**156.24**	96.48	**15074.00**
	Basic Rate	82.00							
	Add 11% AD-HOC	9.02							
	Total	91.02							
	Area Weightage @ 6%	5.46							
	Total	**96.48**							
5	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-	**Cum**							
	For Culverts		10	6.20	2.10	0.15	20.09		
							20.09	5726.51	**115045.00**
	Basic Rate	4867.00							
	Add 11% AD-HOC	535.37							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							
6	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17	cum							
	Culverts		10X2	6.20	0.60	0.50	37.20		
							37.20	4926.42	**183263.00**
	Basic Rate	4187.00							
	Add 11% AD-HOC	460.57							
	Total	4647.57							
	Area Weightage @ 6%	278.85							
	Total	**4926.42**							
7	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	**Sqm**							
	Culverts		10X2	6.20	0.50	0.45	27.90		
							27.90	**5888.88**	**164300.00**
	Basic Rate	5005.00							
	Add 11% AD-HOC	550.55							
	Total	5555.55							
	Area Weightage @ 6%	333.33							
	Total	**5888.88**							
8	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17	**Sqm**							
	For Culverts		10	6.20	0.60		37.20		
	For Sides		10X2	6.20	0.23		28.52		
			10X2	1.65	0.23		7.59		
							73.31	**301.21**	**22082.00**
	Basic Rate	256.00							
	Add 11% AD-HOC	28.16							
	Total	284.16							
	Area Weightage @ 6%	17.05							
	Total	**301.21**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17	cum							
	Culverts		10X2	6.20	0.50	0.15	9.30		
	Vent Bed		10	6.20	0.60	0.15	5.58		
							14.88	6214.80	**92476.00**
	Basic Rate	5282.00							
	Add 11% AD-HOC	581.02							
	Total	5863.02							
	Area Weightage @ 6%	351.78							
	Total	**6214.80**							
10	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2016-17	Sqm							
	Culverts		10X2	6.20		0.50	62.00		
							62.00	114.13	**7076.00**
	Basic Rate	97.00							
	Add 11% AD-HOC	10.67							
	Total	107.67							
	Area Weightage @ 6%	6.46							
	Total	**114.13**							
11	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	**Cum**							
	For Cuvlerts		10	6.20	1.80	0.23	25.67		
							25.67	7072.54	**181538.00**
	Basic Rate	6011.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Add 11% AD-HOC	661.21							
	Total	6672.21							
	Area Weightage @ 6%	400.33							
	Total	**7072.54**							
12	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR	Qtl							
	0.90Ton/Cum		0.090	25.67			**2.31**	71310.20	**164735.00**
	Basic Rate	60607.00							
	Add 11% AD-HOC	6666.77							
	Total	67273.77							
	Area Weightage @ 6%	4036.43							
	Total	**71310.20**							
13	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
			1	128.00	0.90		115.20		
							115.20	1856.67	**213888.00**
	Data Rate	**1856.67**							
							Grand Total		**1978897.00**
14	For 1% Third Party Inspection Charges								**19789.00**
15	Miscesallaneous Charges	L/S							**1314.00**
							Total		**2000000.00**

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 05

Executive Engineer
Byatarayanapura Division
17/02

Assistant Executive Engineer
Byatarayanapura Sub Division

17/02

Administrative Approval
Accorded For .....
Head of A/C.....
CER NO :.....

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. Twenty Lakhs only
Head of A/C. P-1771
Div. Ref. No. 95/17-18 Date. 17/02/18.
AE
EE(BTP) 17/2